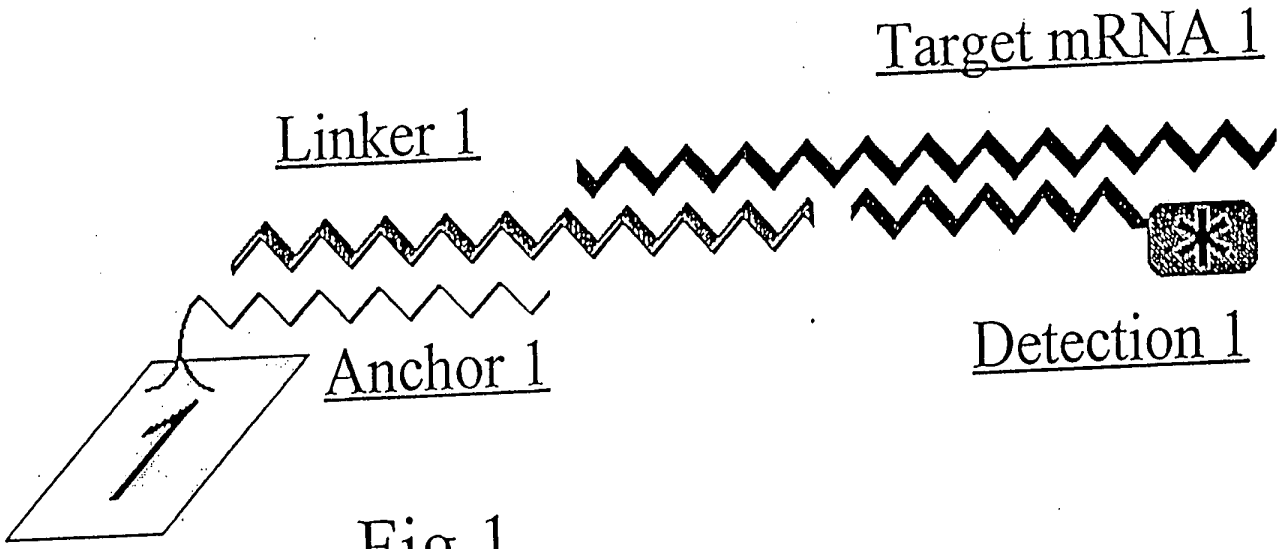


Fig 1

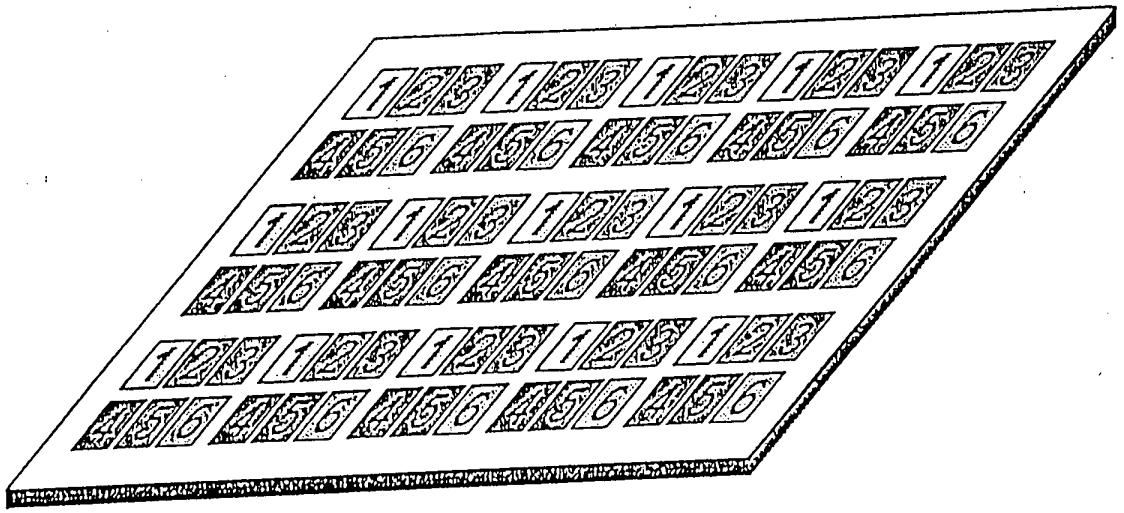


Fig 2

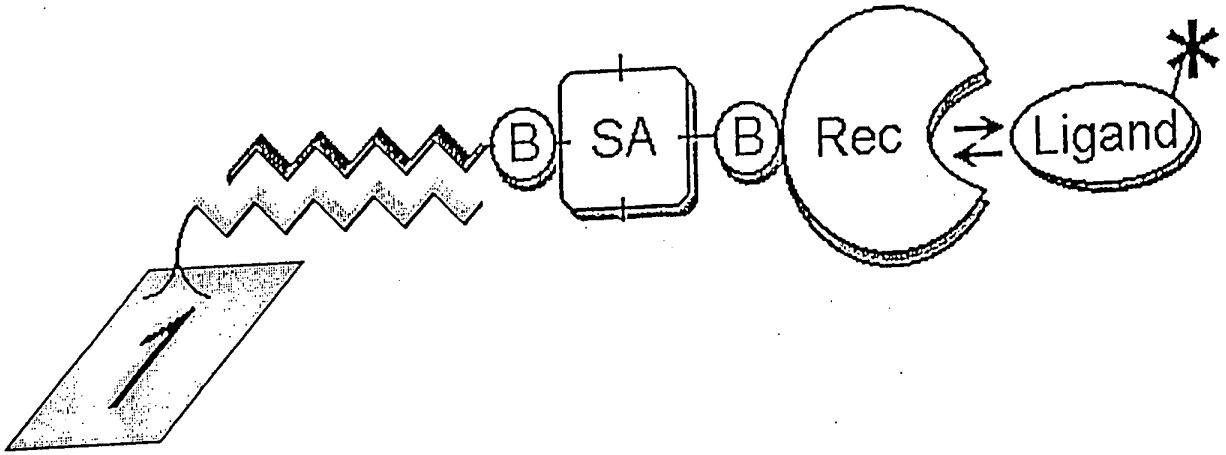


Fig 3

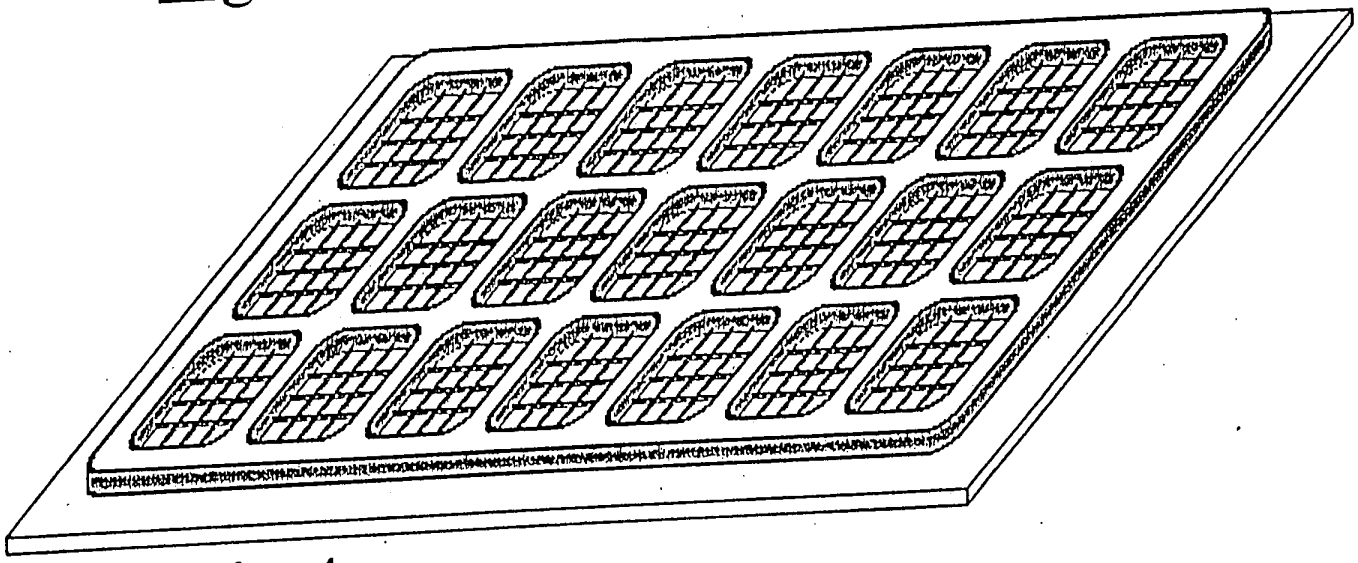


Fig 4

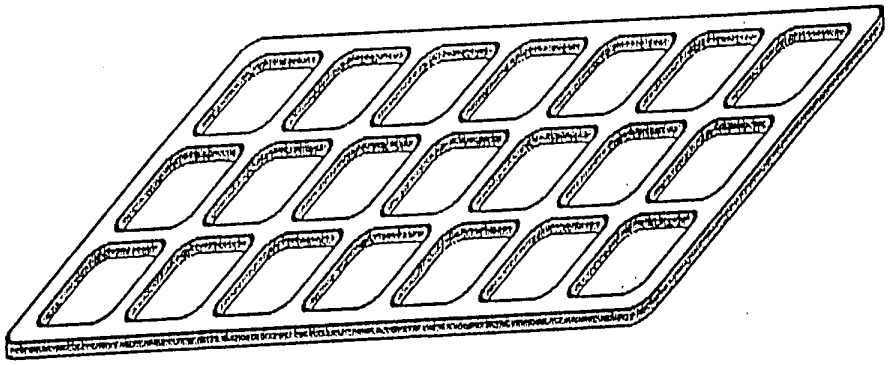


Fig 5a

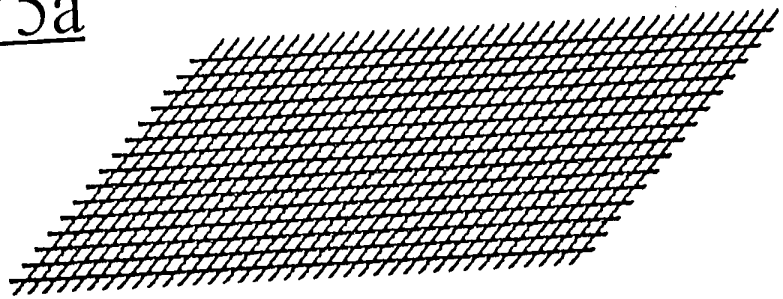


Fig 5b

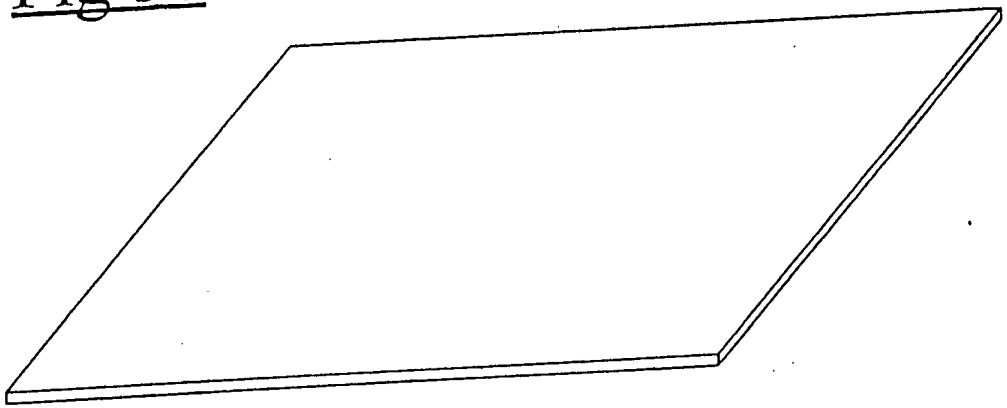


Fig 5c

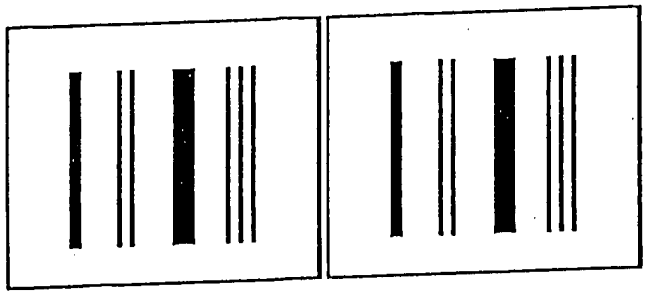


Fig 6

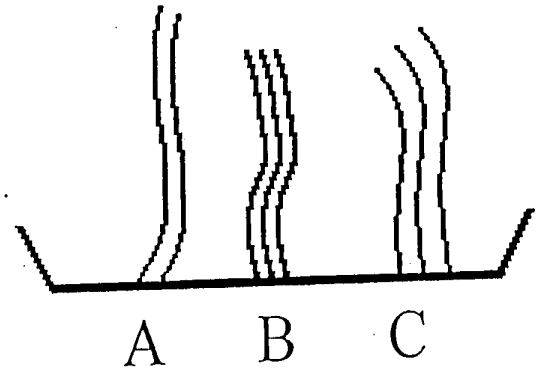


Fig 7

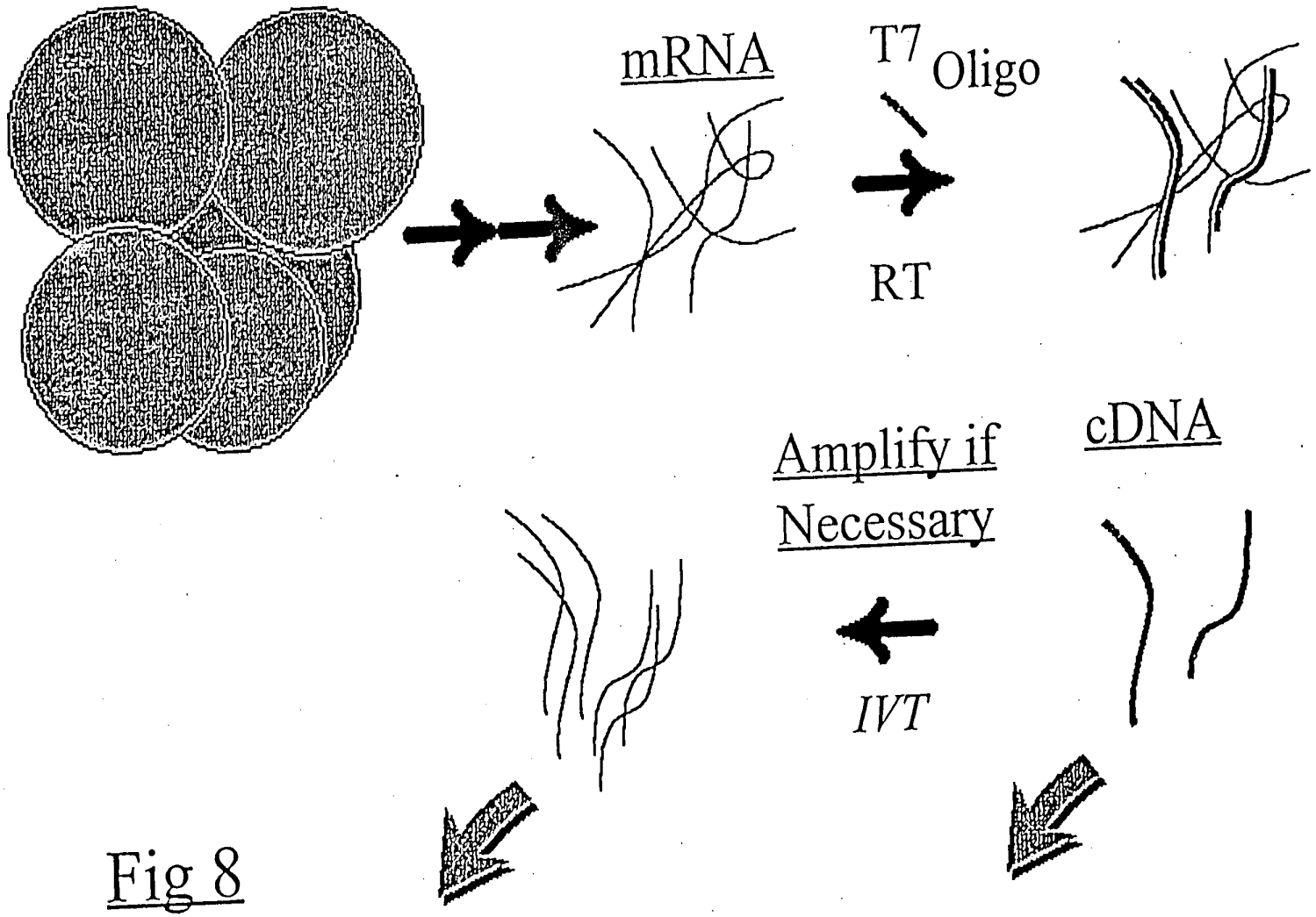


Fig 8

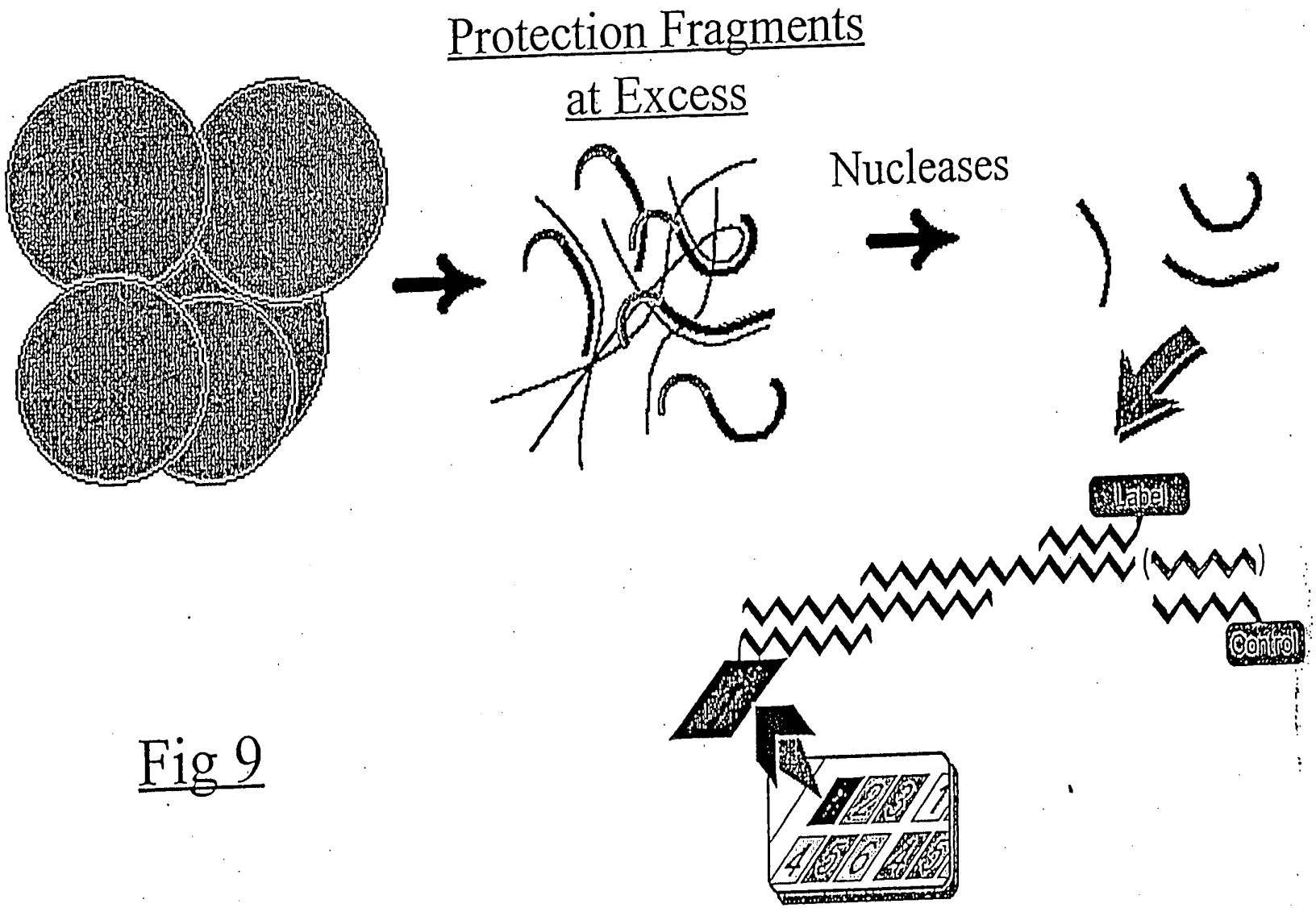


Fig 9

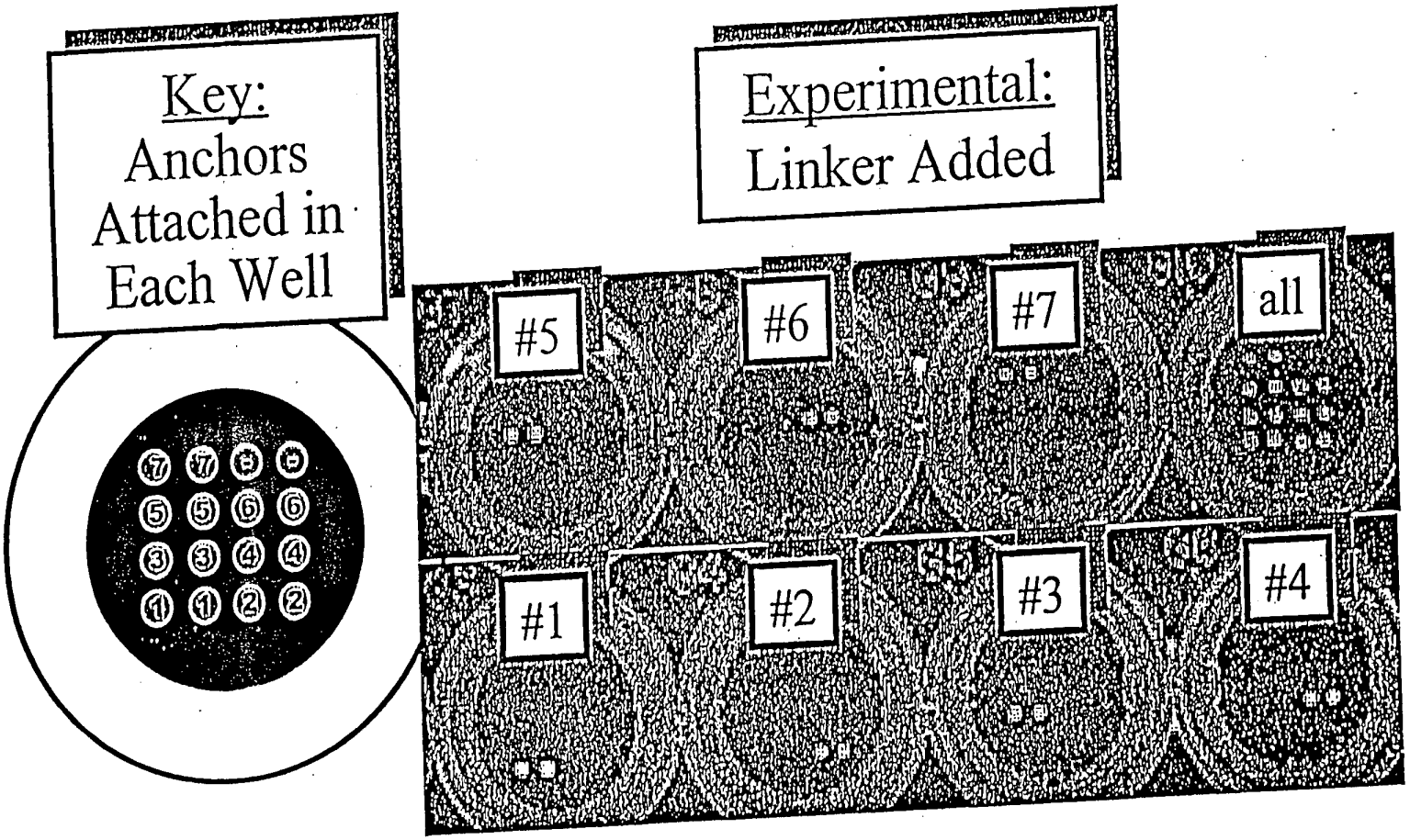

Key:
Anchors Attached in Each Well
Experimental:
Linker Added
#5
#6
#7
all
#1
#2
#3
#4

Fig 10

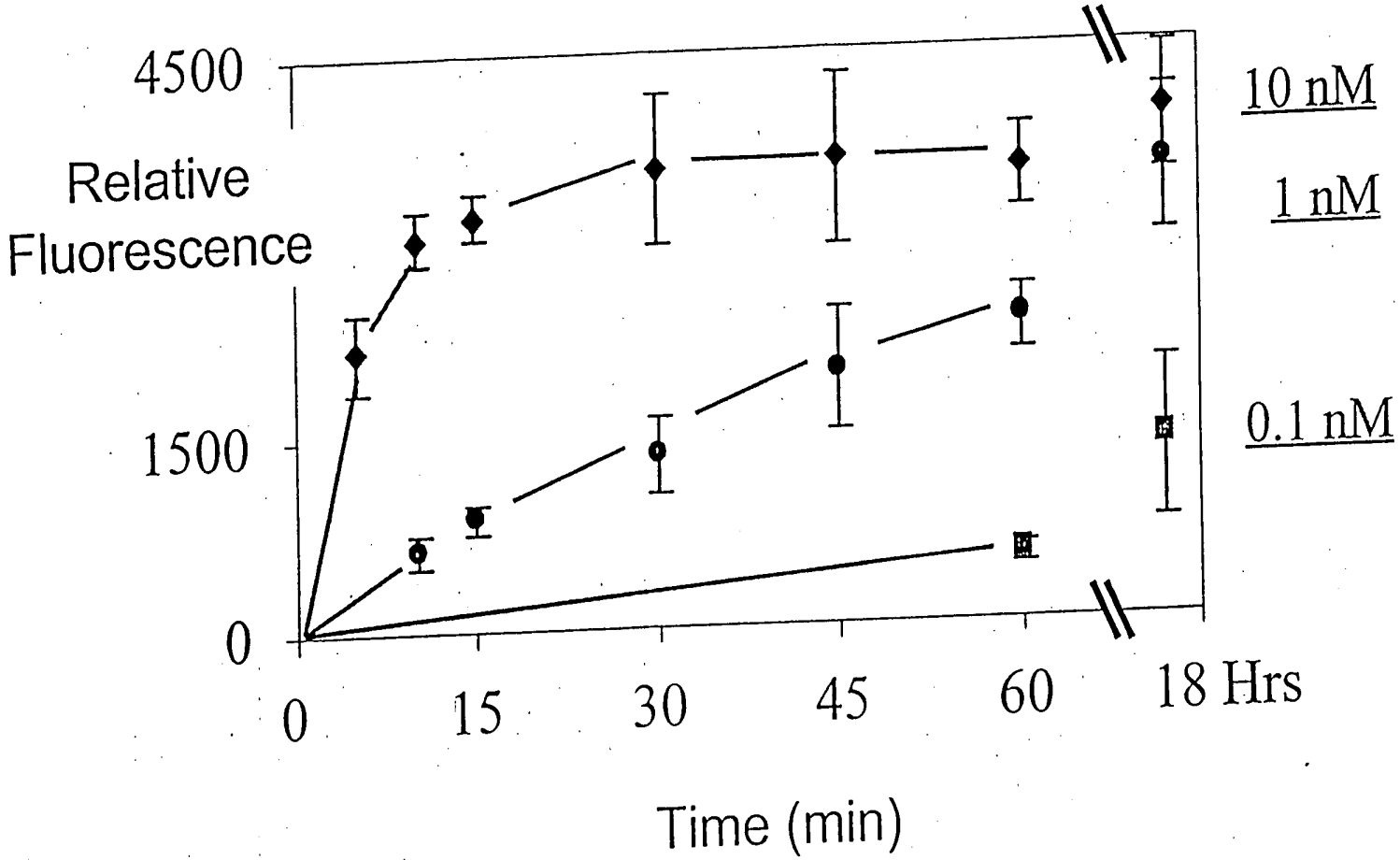

4500
Relative
Fluorescence
1500
0
0
15
30
45
60
18 Hrs
Time (min)
10 nM
1 nM
0.1 nM

Fig 11

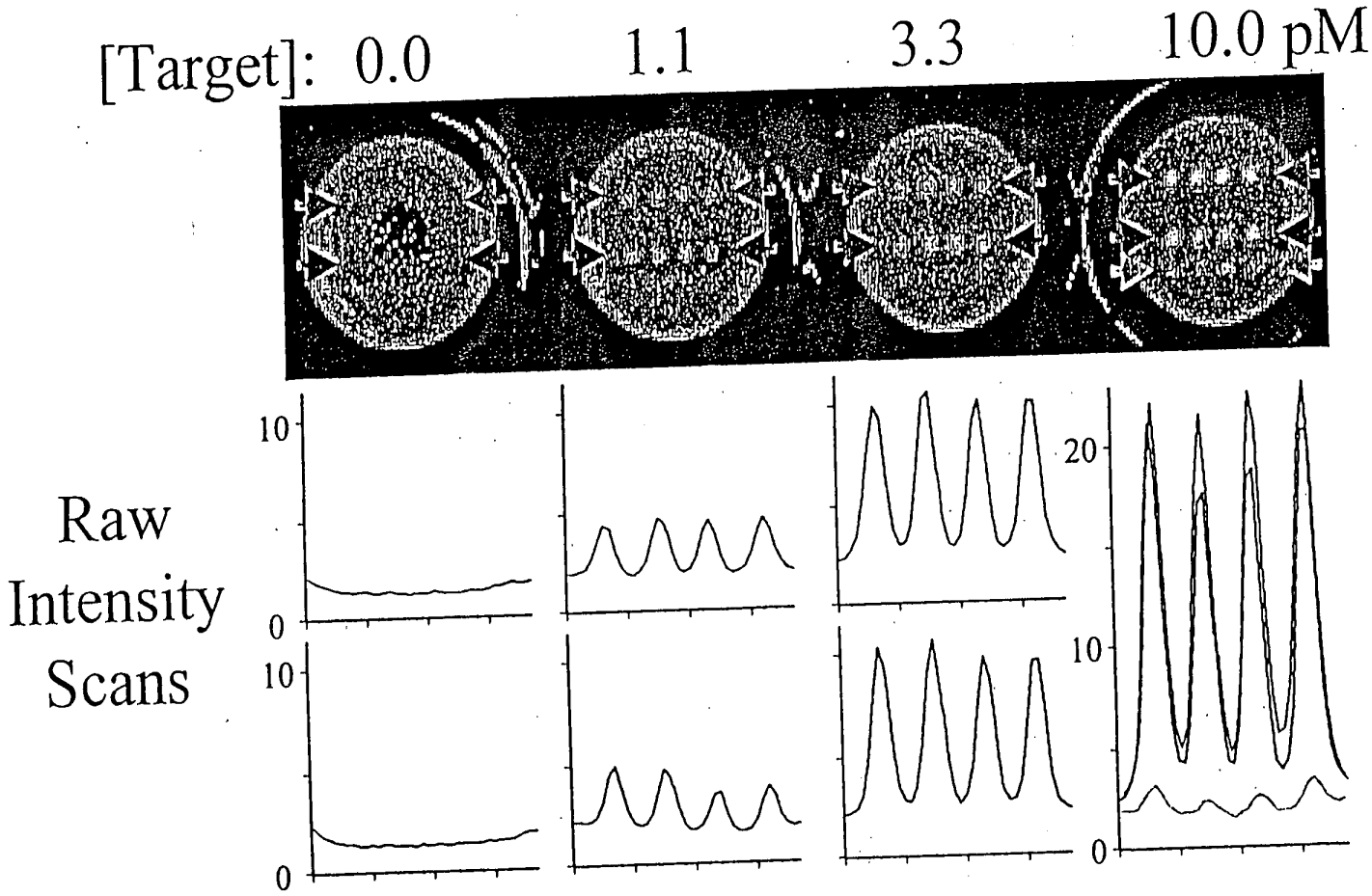


Fig 12

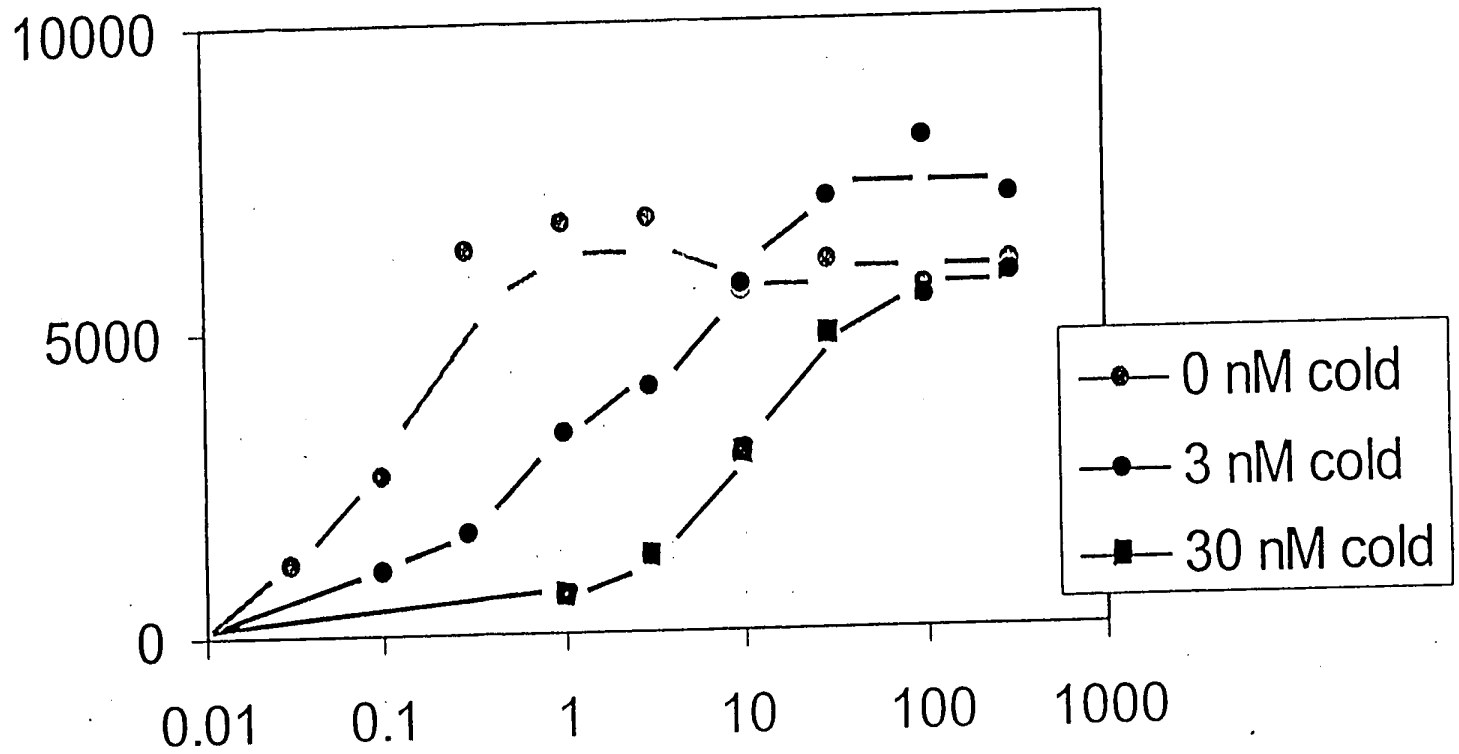


Fig 13

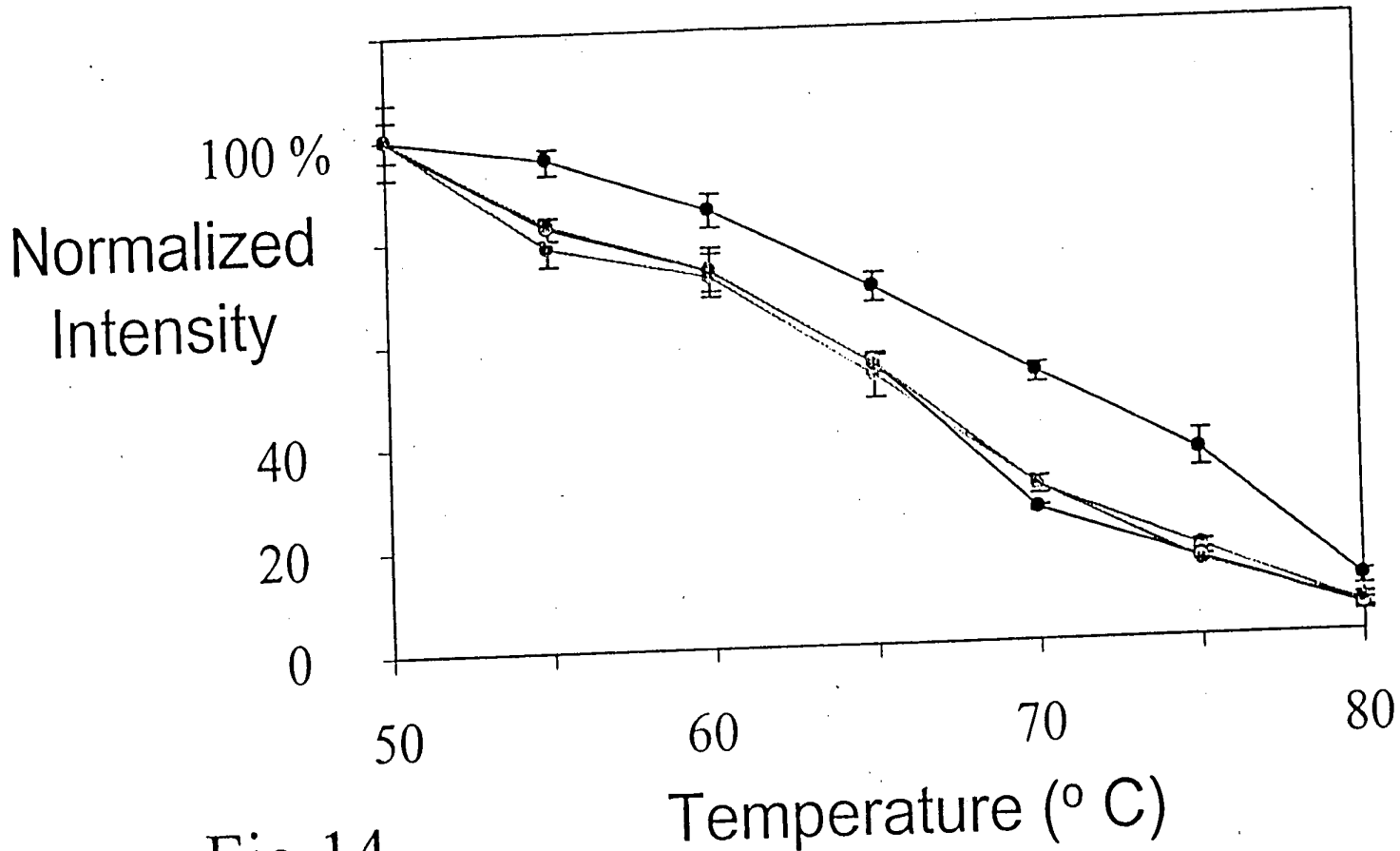


Fig 14

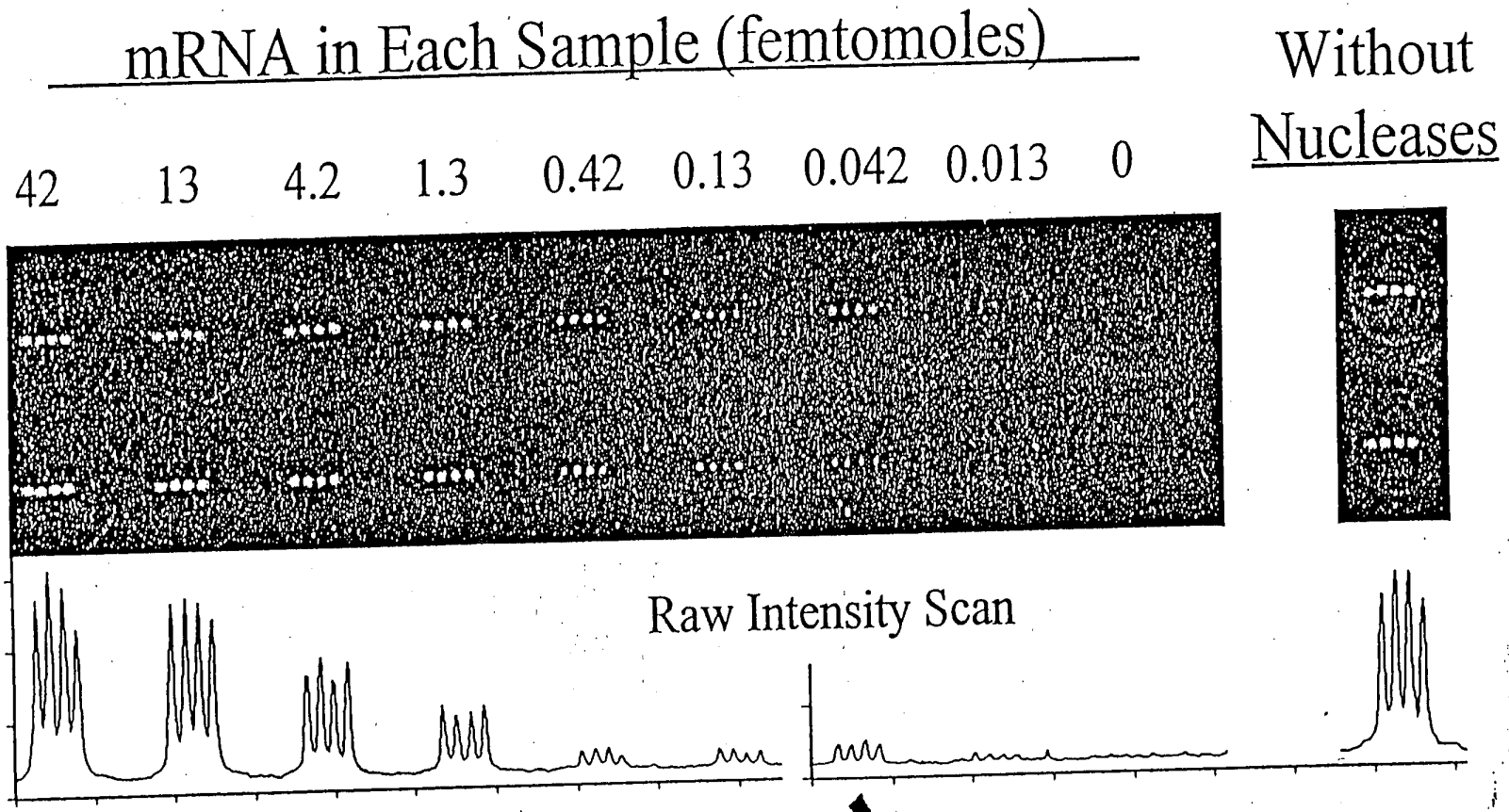

mRNA in Each Sample (femtomoles)
42
13
4.2
1.3
0.42
0.13
0.042
0.013
0
Without Nucleases
Raw Intensity Scan
= 25 x 10^6 molecules

Fig 15

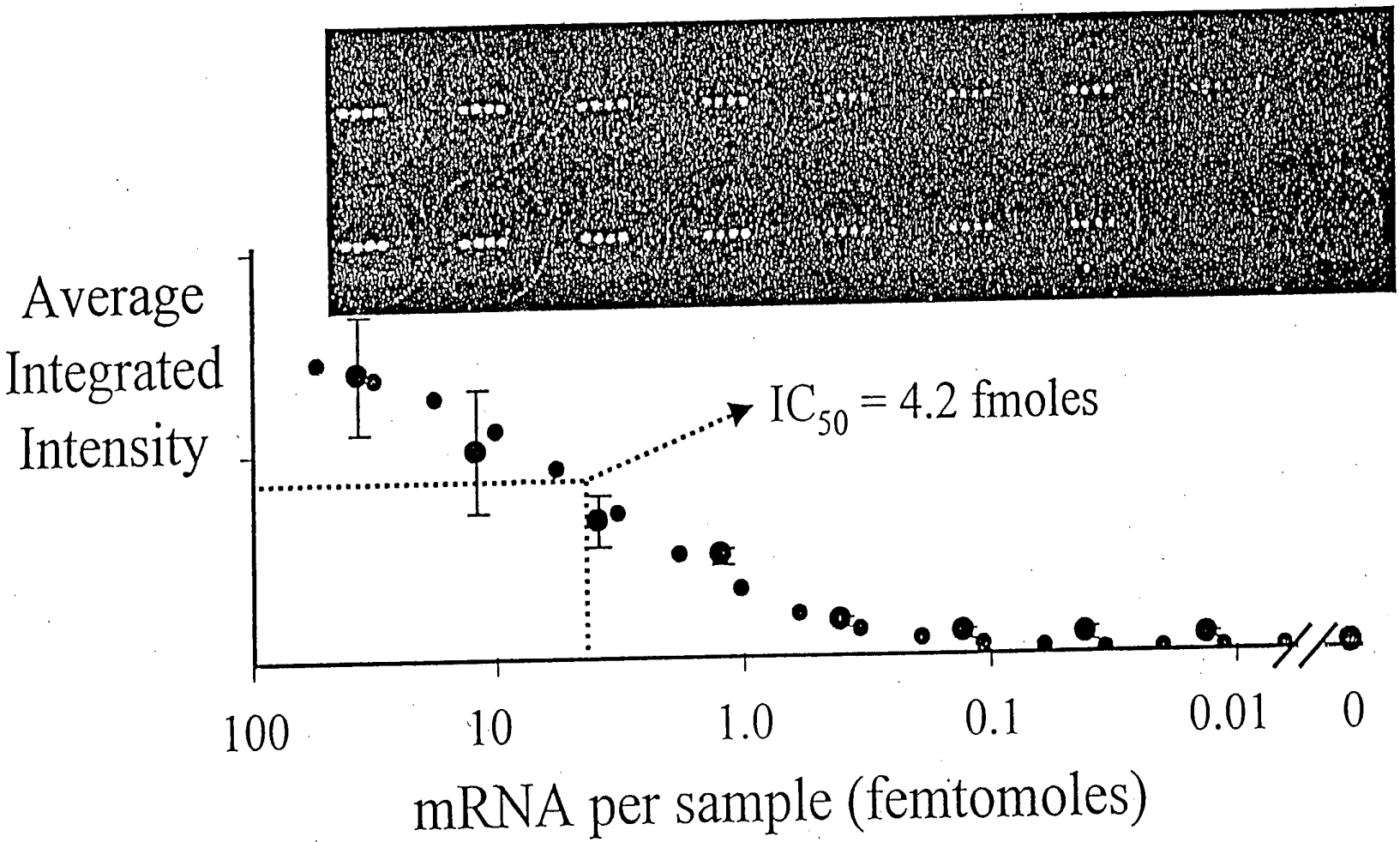
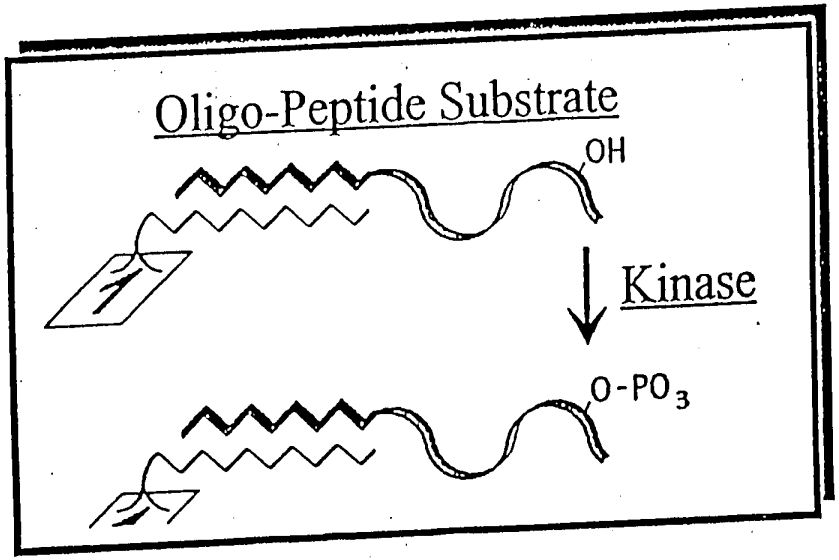

Average
Integrated
Intensity
IC50 = 4.2 fmoles
100
10
1.0
0.1
0.01
0
mRNA per sample (femtomoles)

Fig 16



Concentration of Oligo-Peptide

10 nM

3 nM

Phosphorylated Chimera

Partially* De-Phosphorylated

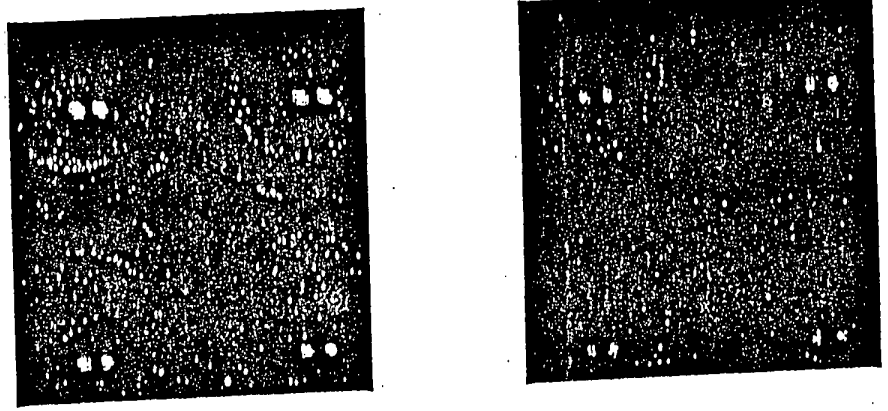


Fig 17

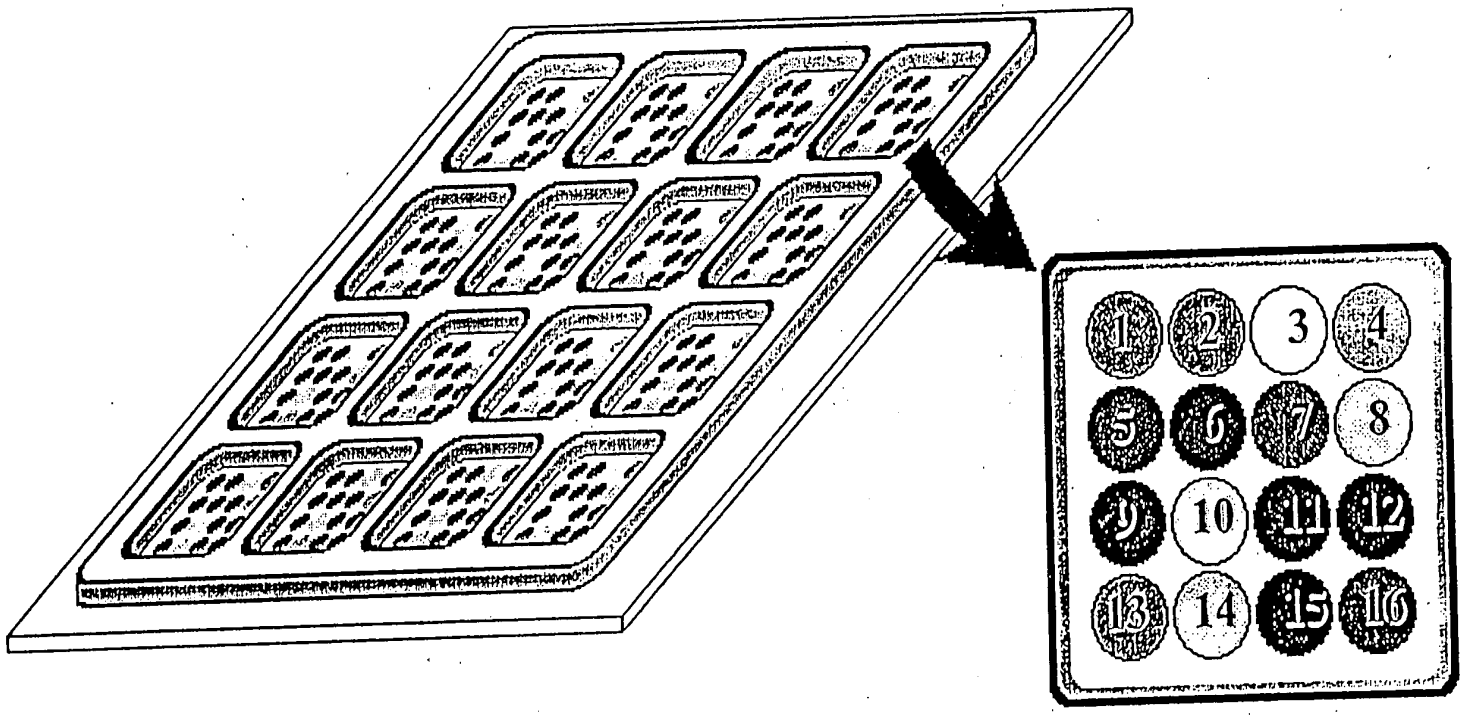


Fig 18

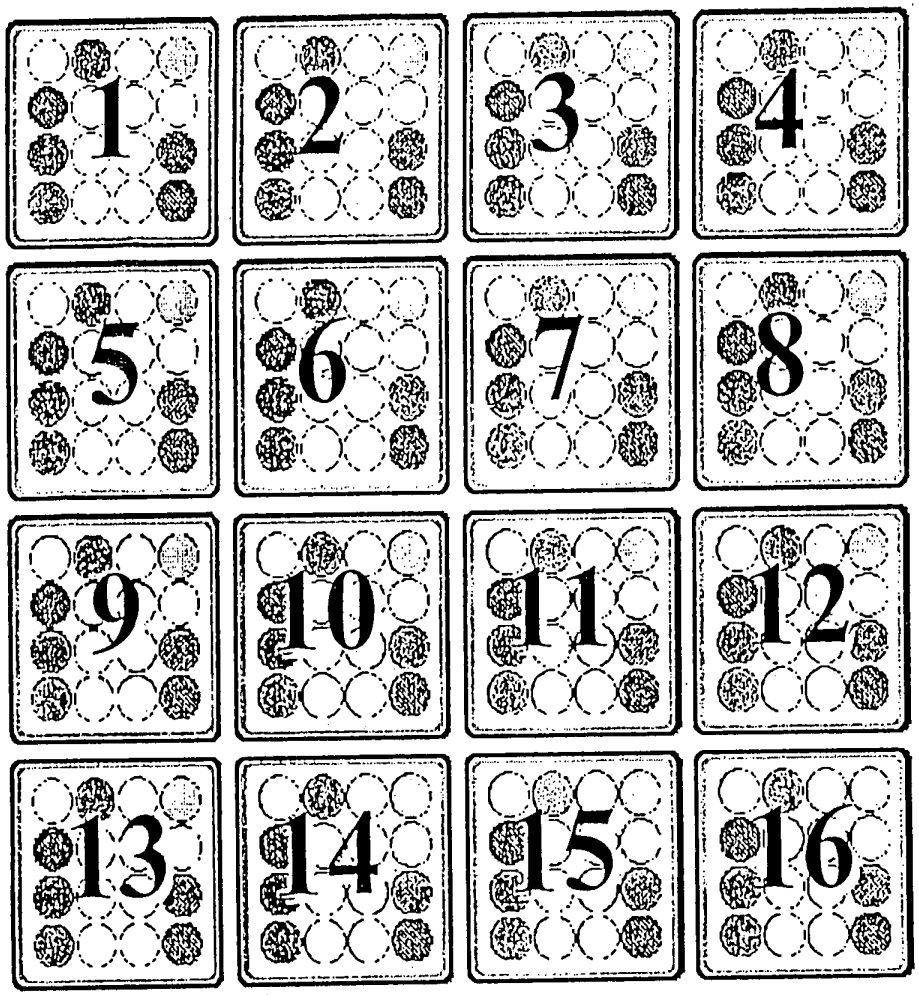


Fig 19

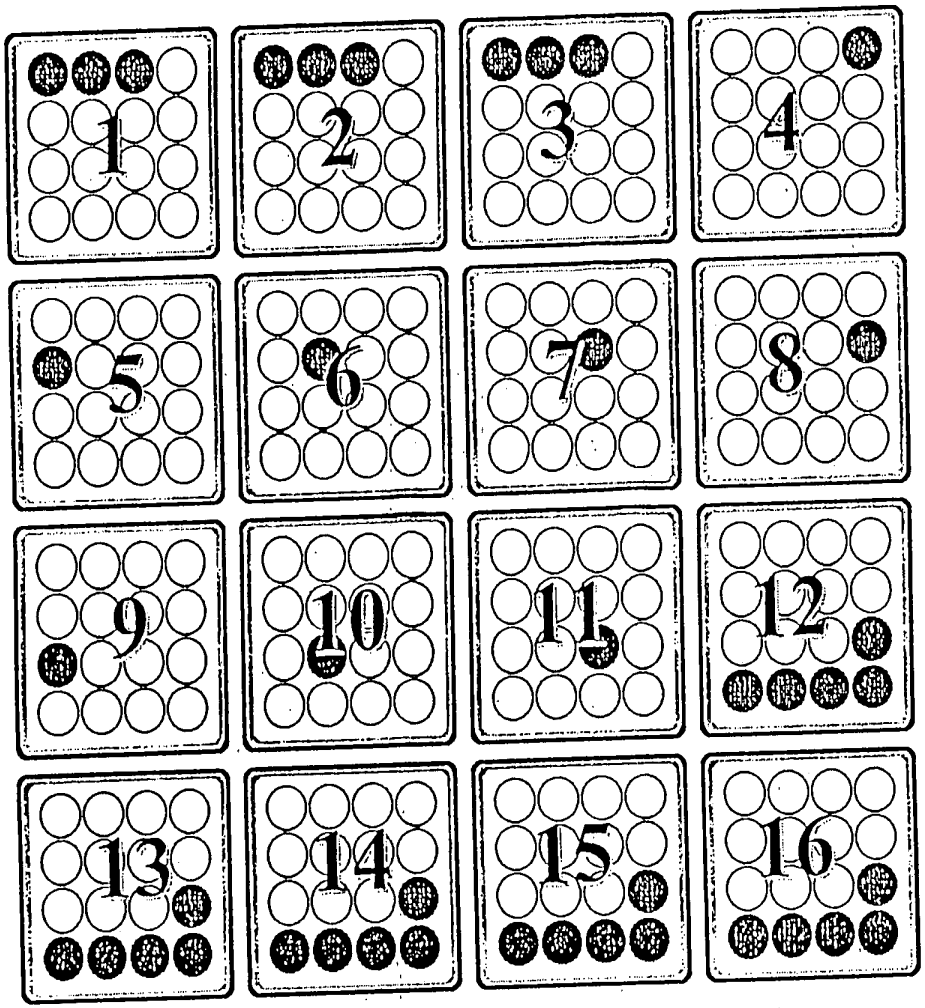


Fig 20a

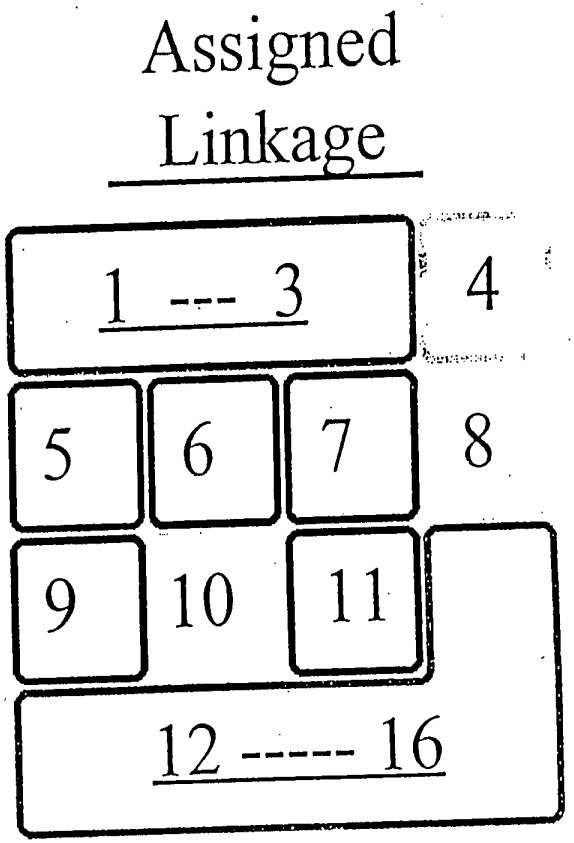


Fig 20b

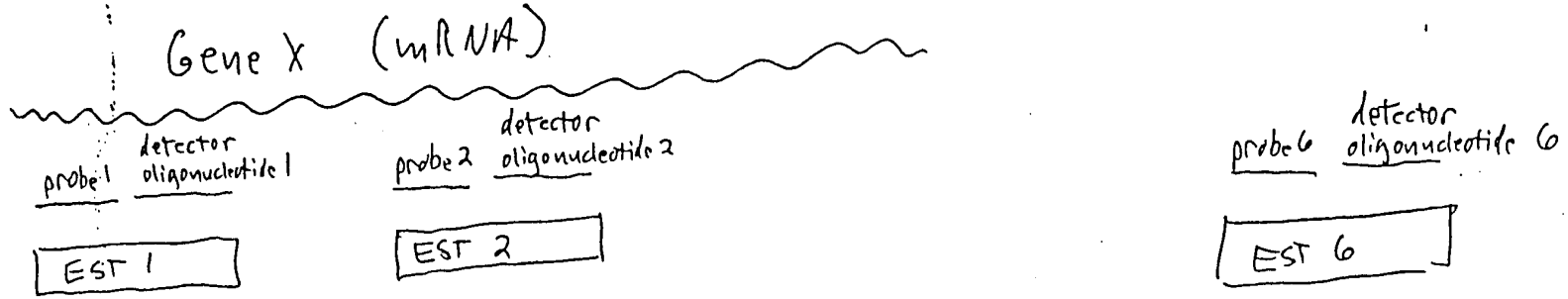

Gene X (mRNA)
probe 1
detector oligonucleotide 1
probe 2
detector oligonucleotide 2
probe 6
detector oligonucleotide 6
EST 1
EST 2
EST 6

Fig 21

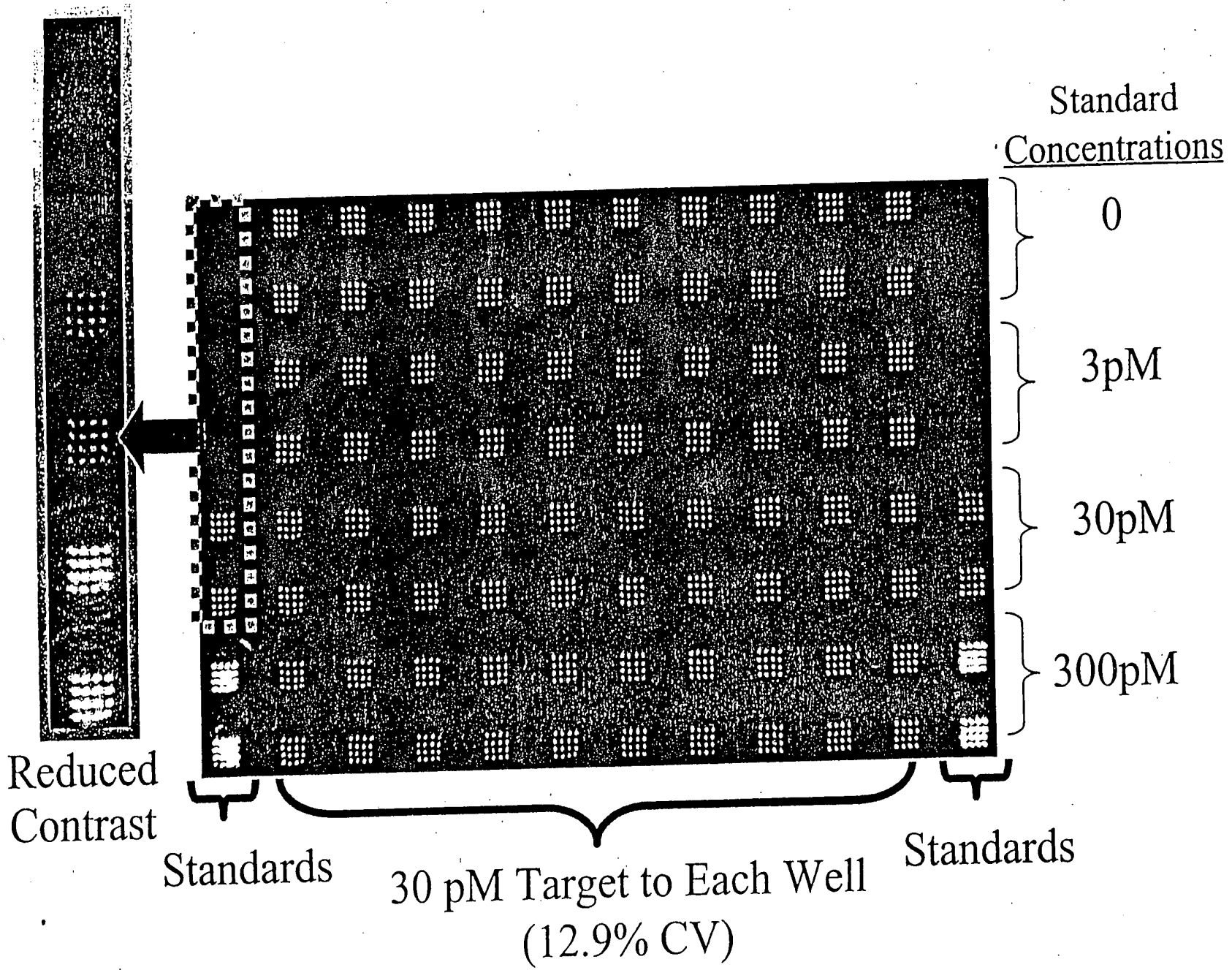

Standard
Concentrations
0
3pM
30pM
300pM
Reduced
Contrast
Standards
30 pM Target to Each Well
(12.9% CV)
Standards

Fig 22